SEQUENCE LISTING

<110> YE, Jane et al.

<120> ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
THEREOF

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Cys Arg Leu Leu Lys His Pro Asn Ile Val Arg Leu His Asp Ser Ile
65                  70                  75                  80
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21

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<210> 4
<211> 556
<212> PRT
<213> Homo sapiens

<400> 4

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            20                  25                  30
Lys Lys Thr Ser Thr Gln Glu Tyr Ala Ala Lys Ile Ile Asn Thr Lys
        35                  40                  45
Lys Leu Ser Ala Arg Asp His Gln Lys Leu Glu Arg Glu Ala Arg Ile
    50                  55                  60
Cys Arg Leu Leu Lys His Pro Asn Ile Val Arg Leu His Asp Ser Ile
65                  70                  75                  80
Ser Glu Glu Gly Phe His Tyr Leu Val Phe Asp Leu Val Thr Gly Gly
                85                  90                  95
Glu Leu Phe Glu Asp Ile Val Ala Arg Glu Tyr Tyr Ser Glu Ala Asp
            100                 105                 110
Ala Ser His Cys Ile His Gln Ile Leu Glu Ser Val Asn His Ile His
        115                 120                 125
Gln His Asp Ile Val His Arg Asp Leu Lys Pro Glu Asn Leu Leu Leu
    130                 135                 140
Ala Ser Lys Cys Lys Gly Ala Ala Val Lys Leu Ala Asp Phe Gly Leu
145                 150                 155                 160
Ala Ile Glu Val Gln Gly Glu Gln Gln Ala Trp Phe Gly Phe Ala Gly
                165                 170                 175
Thr Pro Gly Tyr Leu Ser Pro Glu Val Leu Arg Lys Asp Pro Tyr Gly
            180                 185                 190
Lys Pro Val Asp Ile Trp Ala Cys Gly Val Ile Leu Tyr Ile Leu Leu
        195                 200                 205
Val Gly Tyr Pro Pro Phe Trp Asp Glu Asp Gln His Lys Leu Tyr Gln
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Gln Ile Lys Ala Gly Ala Tyr Asp Phe Pro Ser Pro Glu Trp Asp Thr
225                 230                 235                 240
Val Thr Pro Glu Ala Lys Asn Leu Ile Asn Gln Met Leu Thr Ile Asn
                245                 250                 255
Pro Ala Lys Arg Ile Thr Ala Asp Gln Ala Leu Lys His Pro Trp Val
            260                 265                 270
Cys Gln Arg Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val
        275                 280                 285
Glu Cys Leu Arg Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile
    290                 295                 300
Leu Thr Thr Met Leu Val Ser Arg Asn Phe Ser Ala Ala Lys Ser Leu
305                 310                 315                 320
Leu Asn Lys Lys Ser Asp Gly Gly Val Lys Pro Gln Ser Asn Asn Lys
                325                 330                 335
Asn Ser Leu Val Ser Pro Ala Gln Glu Pro Ala Pro Leu Gln Thr Ala
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22

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Met Glu Pro Gln Thr Thr Val Val His Asn Ala Thr Asp Gly Ile Lys
         355             360            365
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    370              375             380
Ala Ala Pro Leu Arg Thr Gly Asn Gly Ser Ser Val Pro Glu Gly Arg
385              390              395             400
Ser Ser Arg Asp Arg Thr Ala Pro Ser Ala Gly Met Gln Pro Gln Pro
             405              410             415
Ser Leu Cys Ser Ser Ala Met Arg Lys Gln Glu Ile Ile Lys Ile Thr
         420             425             430
Glu Gln Leu Ile Glu Ala Ile Asn Asn Gly Asp Phe Glu Ala Tyr Thr
         435             440             445
Lys Ile Cys Asp Pro Gly Leu Thr Ser Phe Glu Pro Glu Ala Leu Gly
    450             455             460
Asn Leu Val Glu Gly Met Asp Phe His Lys Phe Tyr Phe Glu Asn Leu
465             470             475             480
Leu Ser Lys Asn Ser Lys Pro Ile His Thr Thr Ile Leu Asn Pro His
             485             490             495
Val His Val Ile Gly Glu Asp Ala Ala Cys Ile Ala Tyr Ile Arg Leu
         500             505             510
Thr Gln Tyr Ile Asp Gly Gln Gly Arg Pro Arg Thr Ser Gln Ser Glu
         515             520             525
Glu Thr Arg Val Trp His Arg Arg Asp Gly Lys Trp Leu Asn Val His
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Tyr His Cys Ser Gly Ala Pro Ala Ala Pro Leu Gln
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<210> 5
<211> 601
<212> DNA
<213> Homo sapiens

<400> 5
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<210> 6
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> variation
<222> (301)...(301)
<223> 'T' may be either present or absent (single
      nucleotide insertion/deletion polymorphism)

<400> 6
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tagggtcata ggcacagacc tgcaaaatac cctttgcaaa gttaagaatg tctttgagat 180
tggaacttgg gagagtcctc agtcagagta ggaatgtgca tcctttccca cgtacagagg 240
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<210> 7
<211> 601
<212> DNA
<213> Homo sapiens

<400> 7
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t   601

<210> 8
<211> 601
<212> DNA
<213> Homo sapiens

<400> 8
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<210> 9
<211> 601
<212> DNA
<213> Homo sapiens

<400> 9
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24

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t                                                              601

<210> 10
<211> 601
<212> DNA
<213> Homo sapiens

<400> 10
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tagaaattat ccagatgtt taaacctttt gtggcgactt gtgcttaaaa tagtccctga 540
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<210> 11
<211> 601
<212> DNA
<213> Homo sapiens

<400> 11
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<210> 12
<211> 601
<212> DNA
<213> Homo sapiens

<400> 12
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ttaatgtcga gactgaagac agagagggct ctgcccagct tgccatctcc cccggtcctc 180
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25

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a                                                              601

<210> 13
<211> 601
<212> DNA
<213> Homo sapiens

<400> 13
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a                                                              601

<210> 14
<211> 601
<212> DNA
<213> Homo sapiens

<400> 14
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<210> 15
<211> 601
<212> DNA
<213> Homo sapiens

<400> 15
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a                                                                601


<210> 16
<211> 601
<212> DNA
<213> Homo sapiens


<400> 16
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atgactaaat aattatggga aatctactta ataaactatt caaaagttat taattttcat 480
gaccgtaggg atattttaag tgaaaaataa agtgcagaaa tgttttatat taagtgaagg 540
aagtggtata taaaggagta cagacaagcc aggcacggtg gctcacgcct gtaatcccag 600
c                                                                601


<210> 17
<211> 601
<212> DNA
<213> Homo sapiens


<400> 17
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a                                                                601


<210> 18
<211> 601
<212> DNA
<213> Homo sapiens


<400> 18
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t   601

<210> 19
<211> 601
<212> DNA
<213> Homo sapiens

<400> 19
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t   601

<210> 20
<211> 601
<212> DNA
<213> Homo sapiens

<400> 20
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gcagctttcc caagcctcga gaggtaaatg gagcagcctc tctggtacag ctgtcccaa 600
g   601